

FIG.1

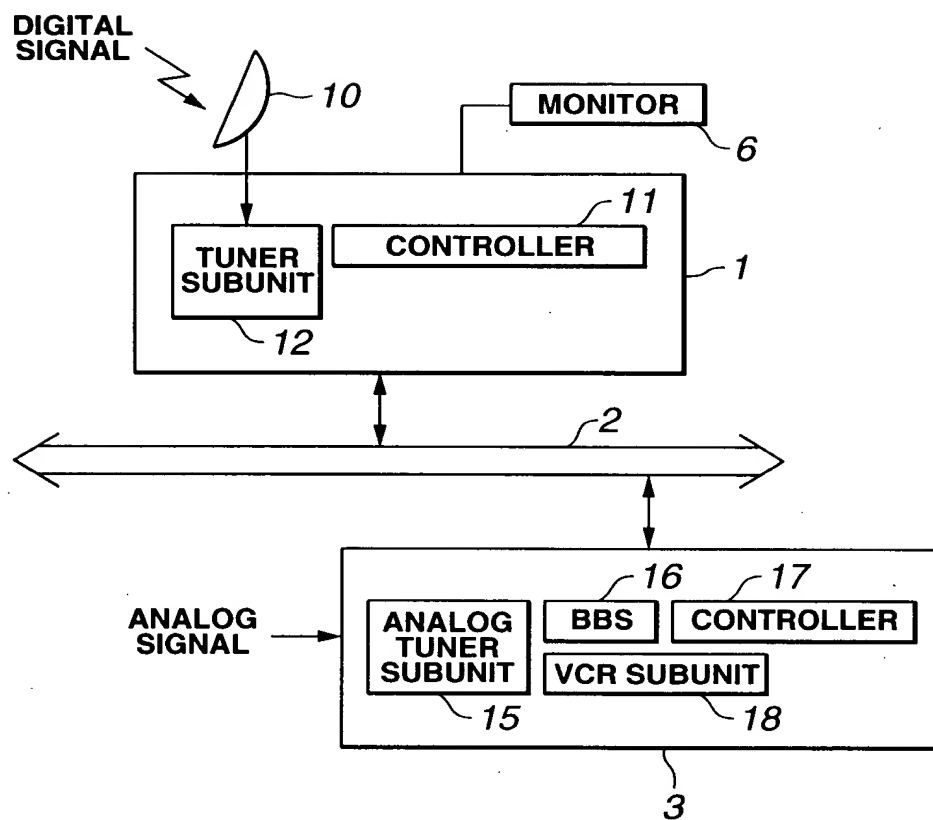


FIG.2

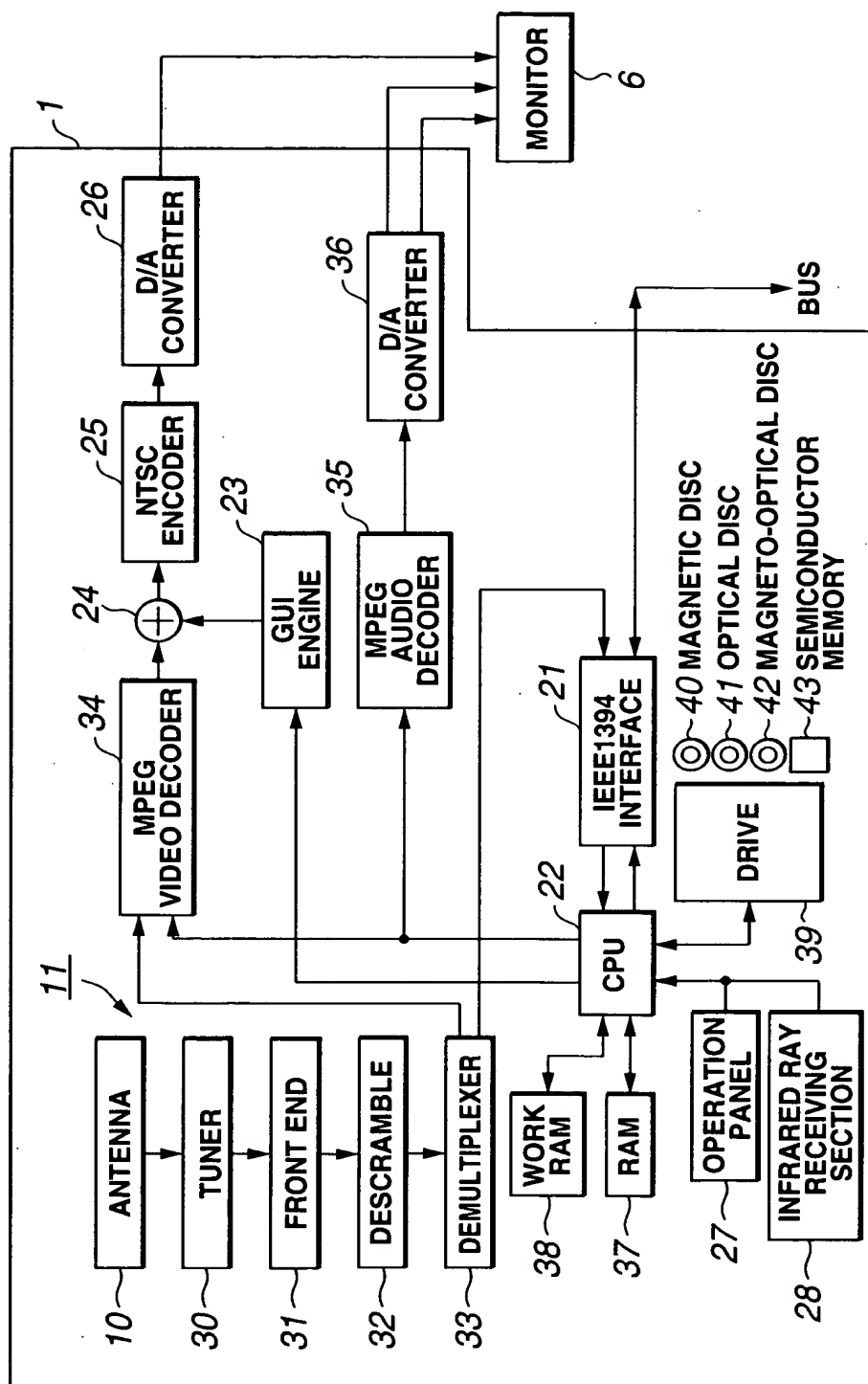


FIG.3

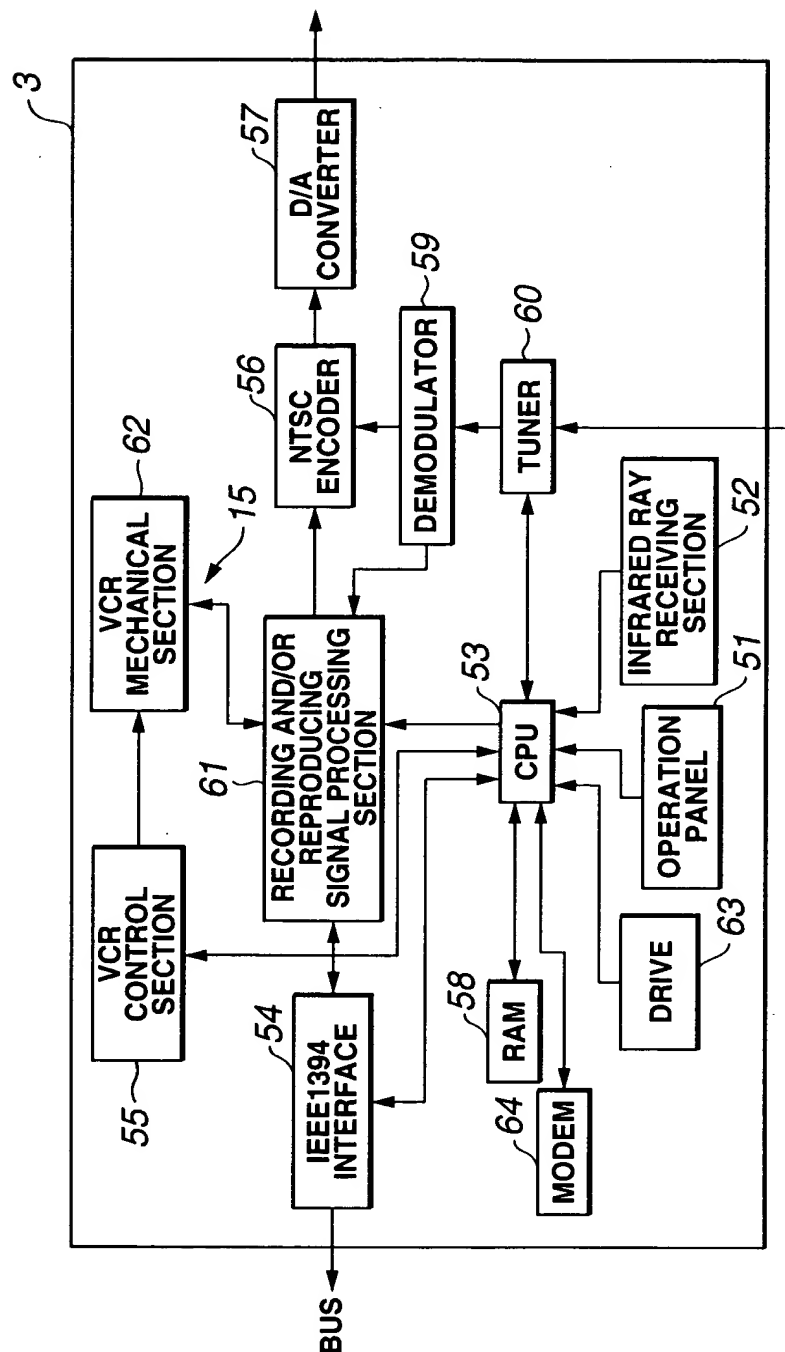


FIG.4

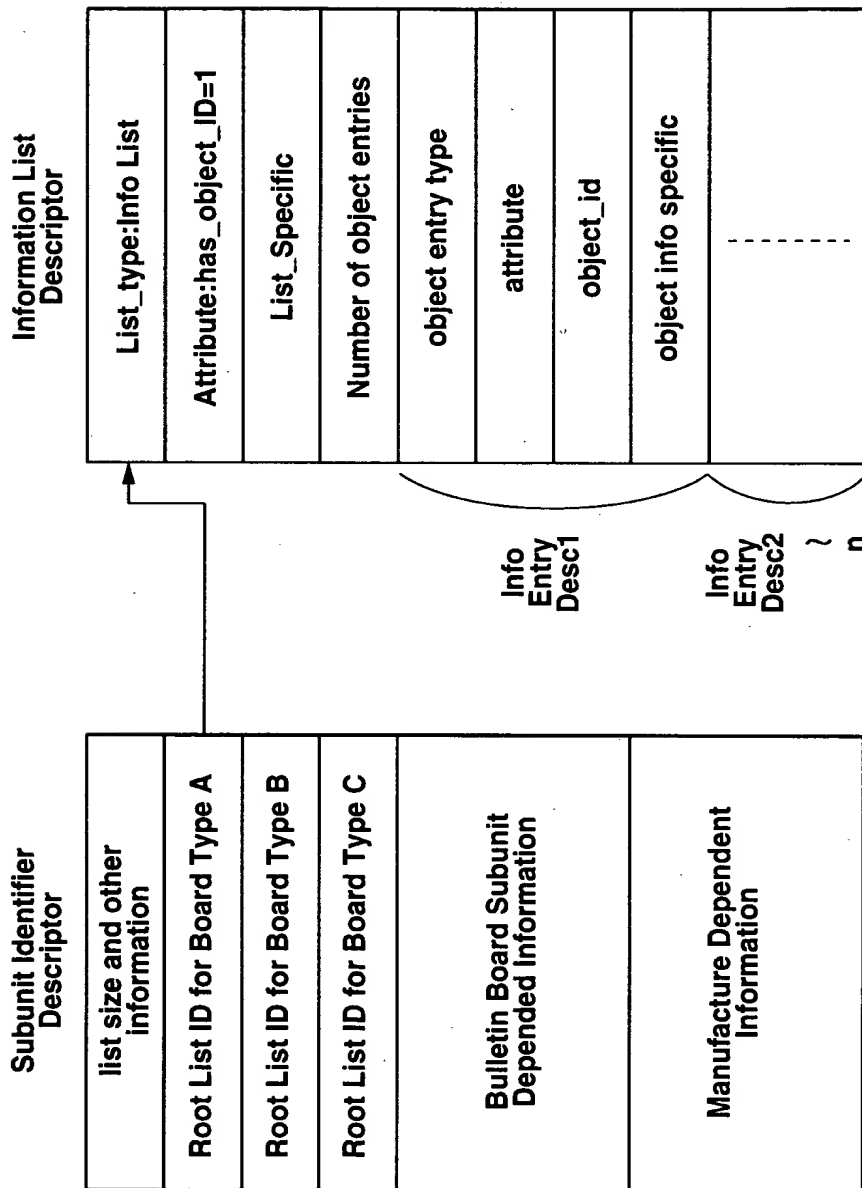


FIG.5

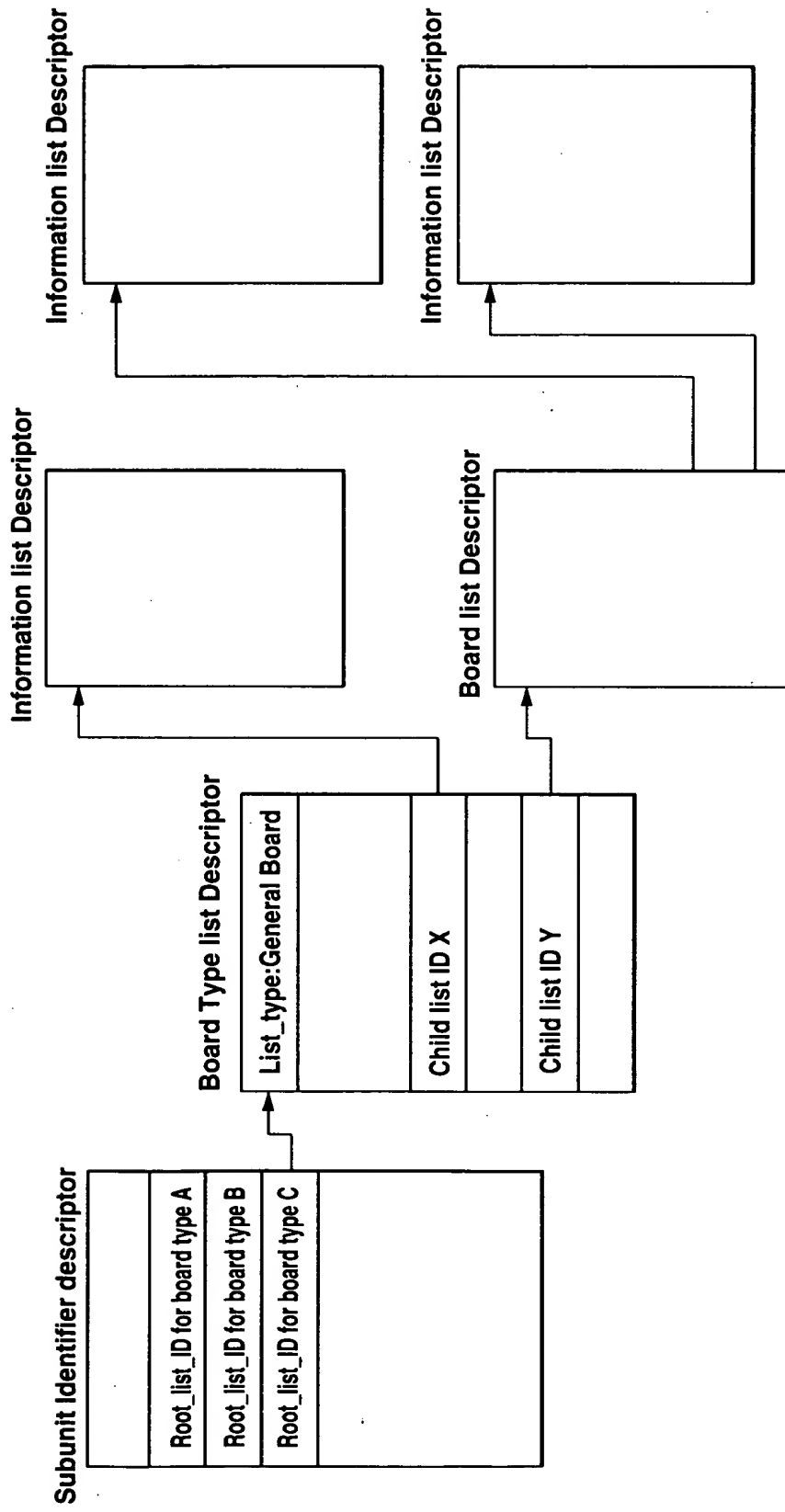


FIG.7

| Address_offset | Contents |
|---------------------|--|
| 00 00 ₁₆ | descriptor_length |
| 00 01 ₁₆ | |
| 00 02 ₁₆ | list_type:Board Type List |
| 00 03 ₁₆ | attributes |
| 00 04 ₁₆ | size_of_list_specific_information |
| 00 05 ₁₆ | |
| 00 06 ₁₆ | list_specific_information |
| ⋮ | |
| ⋮ | |
| ⋮ | number_of_entries(n) |
| ⋮ | |
| 00 00 ₁₆ | descriptor_length |
| 00 01 ₁₆ | |
| 00 02 ₁₆ | entry_type(Board Type) |
| 00 03 ₁₆ | attributes |
| 00 04 ₁₆ | child_list_ID |
| 00 05 ₁₆ | (List ID OF Board Type TO BE ADDED ANEW) |
| 00 06 ₁₆ | size_of_entry_specific_information |
| 00 07 ₁₆ | |
| 00 08 ₁₆ | Board Type TO BE GENERATED |
| ⋮ | entry_specific_information |
| ⋮ | |
| ⋮ | ⋮ |
| ⋮ | object_entry[n-1] |
| ⋮ | |
| ⋮ | |
| ⋮ | |

OBJECT
ENTRY [0]
FOR
SPECIFYING
A GIVEN
BOARD TYPE

FIG.8

| Address_offset | Contents |
|------------------|---|
| 00 ₁₆ | non_info_block_fields_length |
| 01 ₁₆ | |
| 02 ₁₆ | board_type |
| 03 ₁₆ | object_list_maximum_size |
| 04 ₁₆ | |
| 05 ₁₆ | object_entries_maximum_number |
| 06 ₁₆ | |
| 07 ₁₆ | board_type_dependent_information_length |
| 08 ₁₆ | |
| 09 ₁₆ | board_type_dependent_information |
| : | |
| : | |
| : | optional info blocks for future expansion |
| : | |

FIG.9

| Range of values | List definition |
|--|--|
| 0000 ₁₆ -1000 ₁₆ | Reserved in AV/C Digital Interface Command Set General Specification version 3.0 |
| 1001 ₁₆ -10FF ₁₆ | Root list ID, assigned for each board type |
| 1100 ₁₆ -1FFF ₁₆ | Reserved |
| 2000 ₁₆ -3FFF ₁₆ | Child list ID, assigned by the Bulletin Board Subunit |
| 4000 ₁₆ -FFFF ₁₆ | Reserved in AV/C Digital Interface Command Set General Specification version 3.0 |

FIG.10

| Value | Entry type |
|-----------------------|----------------------------------|
| 00_{16} - $7F_{16}$ | Reserved for general definitions |
| 80_{16} | Bulletin Board |
| 81_{16} | Information |
| 82_{16} - FF_{16} | Reserved |

FIG.11

| Value | Board type |
|-----------------------|-----------------------------------|
| 00_{16} | Reserved |
| 01_{16} | Resource Schedule Board |
| 02_{16} - FF_{16} | Reserved for future specification |

FIG.12

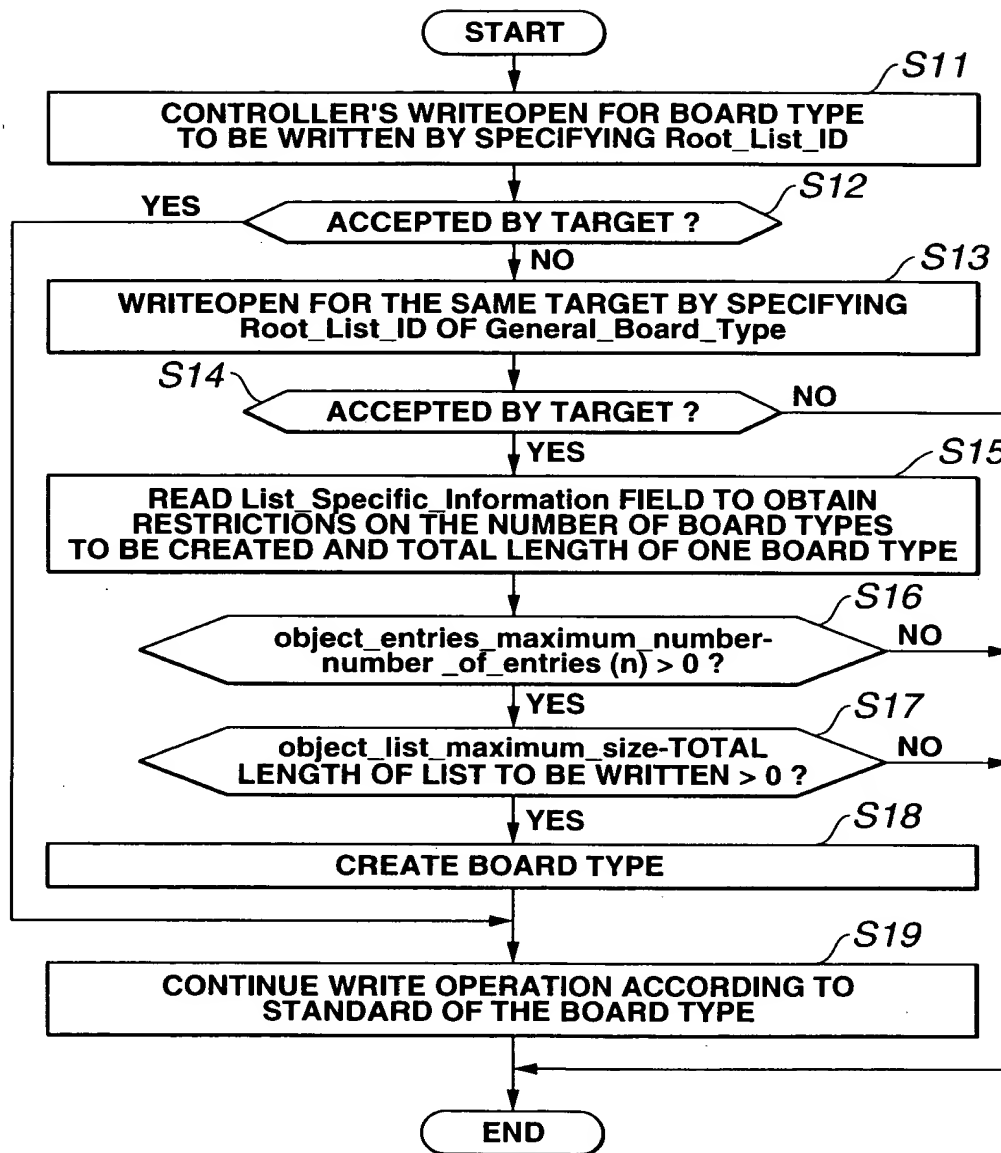


FIG.13

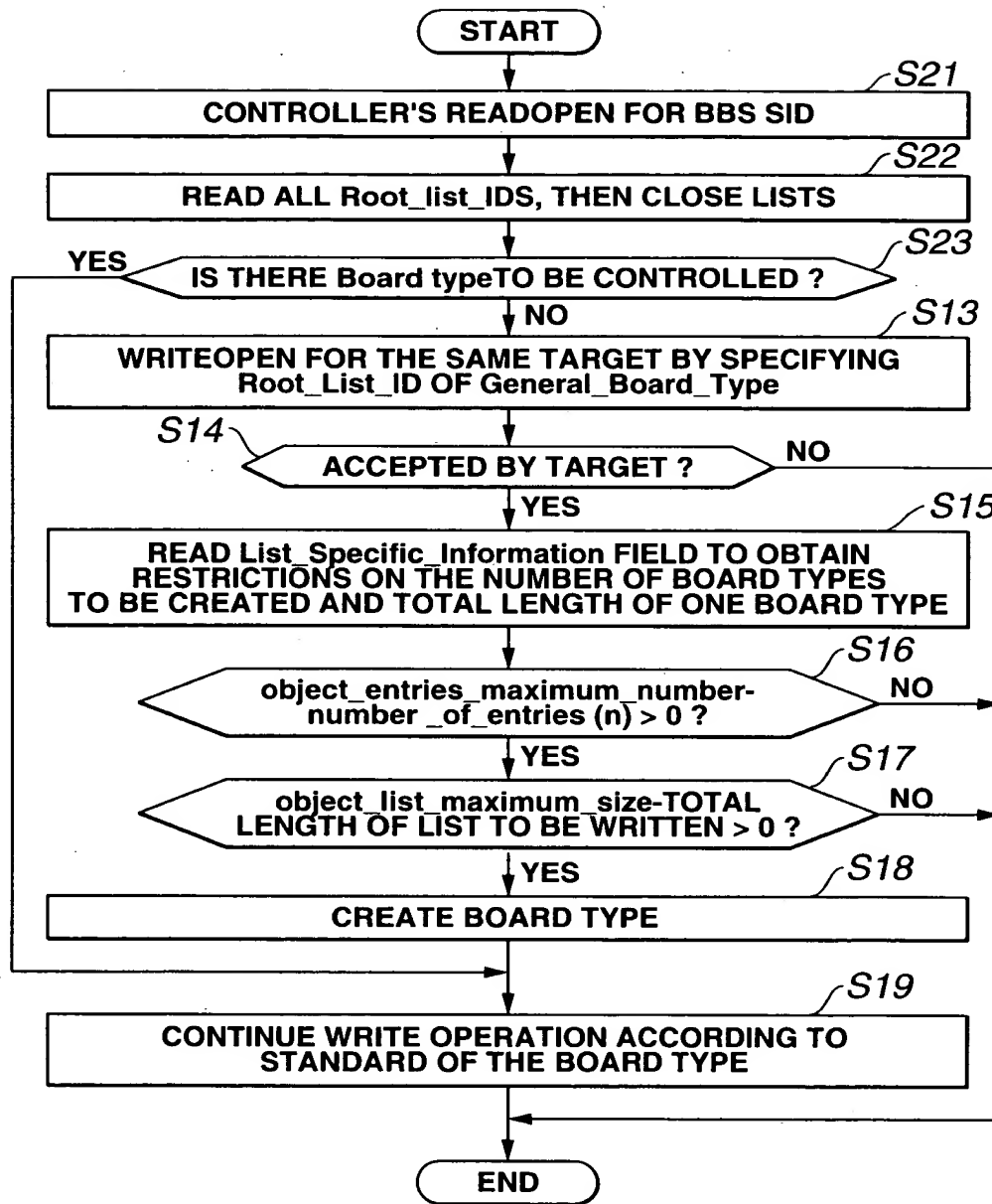


FIG.14

| | |
|------------------|-------------------------------|
| opcode | OPEN DESCRIPTOR |
| operand 0 | descriptor_type |
| operand 1 | List ID |
| operand 2 | List ID |
| operand 3 | subfunction WRITE OPEN |
| operand 4 | reserved |

FIG.15

| | | | | | | | | |
|------------------|------------------------------|--|--|--|--|--|--|------------|
| | msb | | | | | | | lsb |
| opcode | READ DESCRIPTOR | | | | | | | |
| operand 0 | descriptor identifier | | | | | | | |
| operand 1 | : | | | | | | | |
| : | : | | | | | | | |
| : | read_result_status | | | | | | | |
| : | reserved | | | | | | | |
| : | data_length | | | | | | | |
| : | address | | | | | | | |

FIG.16

FIG. 17

| | | | | | | | |
|------------|-----------------------------|--|--|--|--|--|-----|
| | msb | | | | | | lsb |
| opcode | CREATE DESCRIPTOR | | | | | | |
| operand[0] | result | | | | | | |
| operand[1] | subfunction_1 | | | | | | |
| operand[2] | reserved | | | | | | |
| operand[3] | subfunction_1_specification | | | | | | |
| : | | | | | | | |
| : | | | | | | | |

FIG.17

| response frame type | value | result code name | meaning |
|---------------------|------------------|------------------|-----------------------------------|
| ACCEPTED | 00 ₁₆ | success | Successful completion |
| | all other values | | reserved for future specification |
| REJECTED | FF ₁₆ | unknown | an unknown error occurred |
| | all other values | | reserved for future specification |

FIG.18

FIG. 19

| subfunction_1_specification for subfunction_1=00 ₁₆ | | | | | | | | |
|--|-----------------------------|--|--|--|--|--|--|-----|
| | msb | | | | | | | lsb |
| operand[3] | descriptor_identifier_where | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | descriptor_identifier_what | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

FIG.19

| descriptor_type of descriptor_identifier_ where | descriptor_type of descriptor_identifier_ what | meaning |
|---|--|--|
| 00 ₁₆ | 11 ₁₆ | Create a root list The list_type is specified by descriptor_identifier_what. |
| 20 ₁₆ | 11 ₁₆ | Create a child list. Create a new list as a child or the object specified by descriptor_identifier_where. The new list_type is specified by descriptor_identifier_what. |
| 20 ₁₆ | 22 ₁₆ | Create an object. Create a new object and place it in the position specified by descriptor_identifier_where. The entry_type is specified by descriptor_identifier_what. |
| all other values | | reserved for future specification. |

FIG.20

FIG. 21

| subfunction_1_specification for subfunction_1=01 ₁₆ | | | | | | | | |
|--|------------------------------|--|--|--|--|--|--|-----|
| | msb | | | | | | | lsb |
| operand[3] | descriptor_identifier_where | | | | | | | |
| : | | | | | | | | |
| : | | | | | | | | |
| : | descriptor_identifier_what_1 | | | | | | | |
| : | | | | | | | | |
| : | | | | | | | | |
| : | descriptor_identifier_what_2 | | | | | | | |
| : | | | | | | | | |
| : | | | | | | | | |

FIG.21

| descriptor_type of descriptor_identifier_ where | descriptor_type of descriptor_identifier_ what_1 | descriptor_type of descriptor_identifier_ what_2 | meaning |
|---|--|--|--|
| 20 ₁₆ | 22 ₁₆ | 11 ₁₆ | Create an object and its child list. create the new object and place it in the location specified by where. The entry_type is specified by what_1. Also create a new list as the child of the new object. The list_type is specified by what_2. |
| all other values | | | reserved for future specification |

FIG.22

| | |
|------------------|--------------------------|
| opcode | OPEN DESCRIPTOR |
| operand 0 | descriptor_type |
| operand 1 | List ID |
| operand 2 | List ID |
| operand 3 | subfunction CLOSE |
| operand 4 | reserved |

FIG.23

CONTROLLER

TARGET

CREATE DESCRIPTOR

operand[0]=FF₁₆
 operand[1]=01₁₆ ← GENERATE an object entry WITH a child list
 operand[2]=FF₁₆
 operand[3]=descriptor type=20₁₆
 operand[4]=listID(MSB)
 operand[5]=listID(LSB)
 operand[6]=object position(MSB)
 operand[7]=object position(LSB)
 operand[8]=descriptor_type of descriptor_identifier_what_1=22₁₆
 operand[9]=Boare type entry AS AN object entry type
 operand[A]=descriptor_type of descriptor_identifier_what_2=11₁₆
 operand[B]=Information list (81₁₆) AS a list type

GENERATE A TEMPLATE
 OF THE Board type entry
 AT a SPECIFIED OBJECT
 LOCATION. GENERATE A
 TEMPLATE OF THE list
 type FOR THE SPECIFIED
 child list.

ACCEPTED
 WRITE DESCRIPTOR

WRITE A VALUE (RSB:01)
 OF THE Board type TO BE GENERATED
 TO AN ENTRY IN THE General Board AND
 THE Board type field IN THE ENTRY
 specific information.

OVERWRITE THE BOARD
 TYPE FIELD TO RSB.

ACCEPTED
 READ DESCRIPTOR

READ A child list ID field FOR
 THE INTERESTED entry IN THE
 General board.

child listID

ACCEPTED
 OPEN DESCRIPTOR

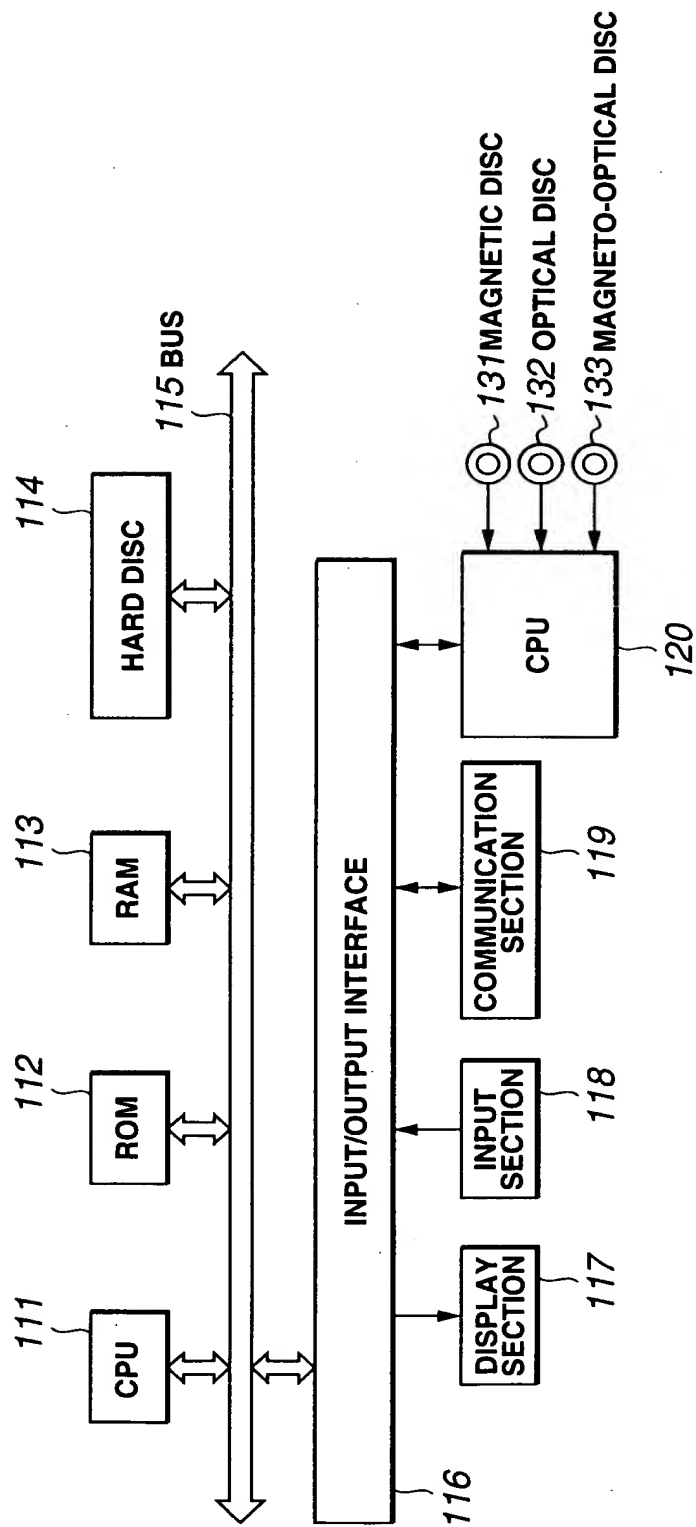
WRITE OPEN THE list GENERATED BY USING
 THE PREVIOUS Child list ID.

ACCEPTED
 WRITE DESCRIPTOR

SPECIFY THE board type field IN THE list
 specific information AND WRITE THE CREATED board type.

ACCEPTED

FIG.24



101

FIG.25